丰润达
RUNDATA

# 8 Port PoE Switch PS1082T User Manual

## Product Profile

PS1082T is designed for security ,8 port unmanaged PoE switch.8 10/100M ports poe ports,1 Gigabit uplink port,one Gigabit SFP port. Auto detection and identification IEEE802.3af standard PD device, then carry power to it. Therefore do not worry it will destroy the private standard PoE or Non-PoE equipment.PS1082T is the best choice for commercial network because it economically use PoE deployment wireless AP and IP camera . PS1082T can resolve the problem of maintenance tedious, wireless coverage, terminal device powered, surveillance project. Maximum save the engineering cost.

## Key Features

- Support power over ethernet cable device for example wireless AP and IP camera.
- Support IEEE802.3af /at standard .
- Data and power transmission distance 150m, it can be flexible installation for wireless AP and surveillance project.
- Support upward port auto MDI/MDIX.
- Adopted storage forward switch system.
- Intelligentize power and minimum consumption，guarantee PD requirement.
- With power supply circuit protection function and protection back-end device safety
- Automatically provide the adaptive device
- Fanless design realize saving energe and environment protection
- No noise design can reduce the affect for environment
- Support the flow control, 802 x full duplex mode
- Support saving power function when port unconnection
- Support maximum 1536 Bytes
- Support control broadcast packets

## Specification

| | |
|---|---|
| Network Port | - 8 10/100Mbps PoE RJ45 port (Adaptive MDI/MDIX) ; |
| | - 1 10/100/1000M Non-POE RJ45port(Adaptive MDI/MDIX) ; |
| | - 1 Gigabit SFP port |
| Network protocol and standard | - IEEE 802.3 10BASE-T |
| | - IEEE 802.3u 100BASE-TX |
| | - IEEE 802.3ab 1000BASE-T |
| | - IEEE 802.3z 1000BASE-X |
| | - IEEE 802.3x Flow Control |
| | - IEEE 802.3af/at Power over Ethernet |
| Performance | - Transfer pattern : store-and-forward |
| | - Bandwidth : 3.6 Gbps ( non-blocking ) |
| | - network delay(100 Mbps -100 Mbps):maximum 20 μs(using 64 byte packet ) |
| | - Buffer memory : 2.75Mb |
| | - MAC address : 48byte physical address |
| | - Address database size : 4K MAC |
| | - The average trouble-free interval(MTBF) : 300,000 hours |
| LEDs indicator | -PWR:Power |
| | PoE:PoE |
| | LINK: LINK/ACT |
| Power | - PoE power : 150W;single port max 30W |
| | - Input power : 150W |
| | - Voltage : 100 - 240VAC , 50/60 Hz |
| Dimensions | - Size ( LxWxH ) : 280 x 180x 35mm |
| | - Weight : 2kg |
| EMC | - CE mark, commercial |
| | - FCC Part 15 Class A |
| | - VCCI Class A |
| | - C-Tick |
| Environment | - Operating Temperature : 0-50°C |
| | - Storage Temperature : -40-70°C |
| | - Working Humidity : Maximum 90% (Non-condensing) |
| | - Storage Temperature : Maximum relative humidity 95% , (Non-condensing) |
| | - Working Altitude : Maximum10,000 feet ( 3,000 meters ) |
| | - Storage Altitude : Maximum10,000 feet ( 3,000 meters ) |
| Radiation electromagnetic immunity | - EN 55016 |
| Certifications | - CE mark, commercial |
| | - UL 60950 ( Listed ) /EN60950 |

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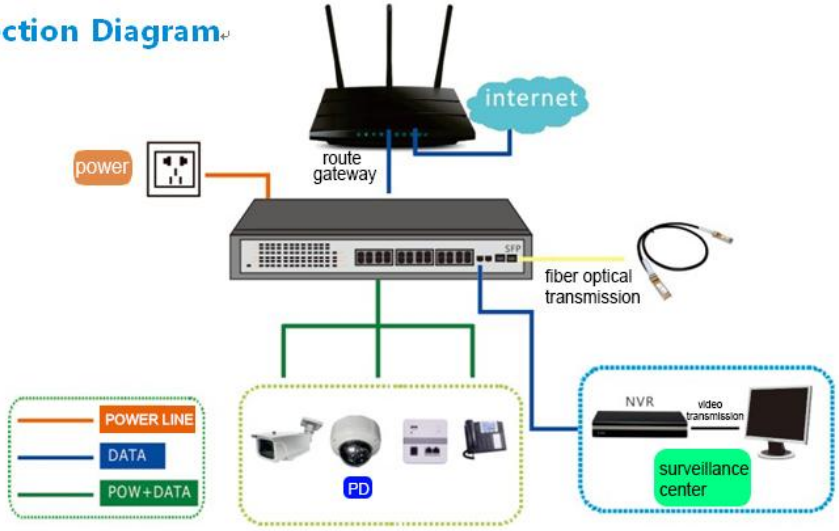
|---|---|
| Warranty | 1 year |

## Connection Diagram



## LED Instruction

| Indicator | Introductions | Normal State | Abnormal and Process |
|---|---|---|---|
| PWR | PWR Indicators | Red Light ON | If red light off, pls check whether the external power supply plug powered normal and the power adaptor connect correctly. |
| POE | POE Indication | Red Light ON | If red light off, pls check whether the corresponding RJ45 access network device and the network cable connect correctly, whether the network cable is accord with Cat.5 standard(transmission distance max. 100meter)、whether the network cable and network device is damaged. |
| LINK/ACT | PD Device Connection/ Activeness Indication | Green Light ON | If light off，pls check whether the corresponding RJ45 access network device and PoE powered normal、whether the network cable connect correctly and whether network device is damaged. |

## Application Suggestion

1. In order to safety，pls non-professionals don't open the casing of product；
2.Pls be careful the risk of strong current and security protection when product is carrying on power；
3.Pls select the right power adaptor provide power for PoE switch，before using pls confirm if is it accord with the requirement of PoE switch；
4.Pls don't use PoE switch under the humid environment，avoiding water go into the product inside caused PoE switch breakdown.
5.Pls start the power after the circuit connected；
6.Pls don't plug-in and plug-out the connection cable when product is carrying on power；
7.Pls don't use PoE switch under somewhere with more dust and EME;Don't use switches in high temperature and unventilated place;
8.Pls don't put heavy thing on PoE switch，in case of happening an accident.；
9.According to the IEEE802.3AF/AT standard, pls use the Cat.5 or above，transimission distance reach to 150 m；
10.Pls don't exceed the maximum output power of PoE switch when it connect more than one PD device ；
11. Suggestion that PoE switch use for indoor，if you want to use for outdoor, pls install waterproof box